

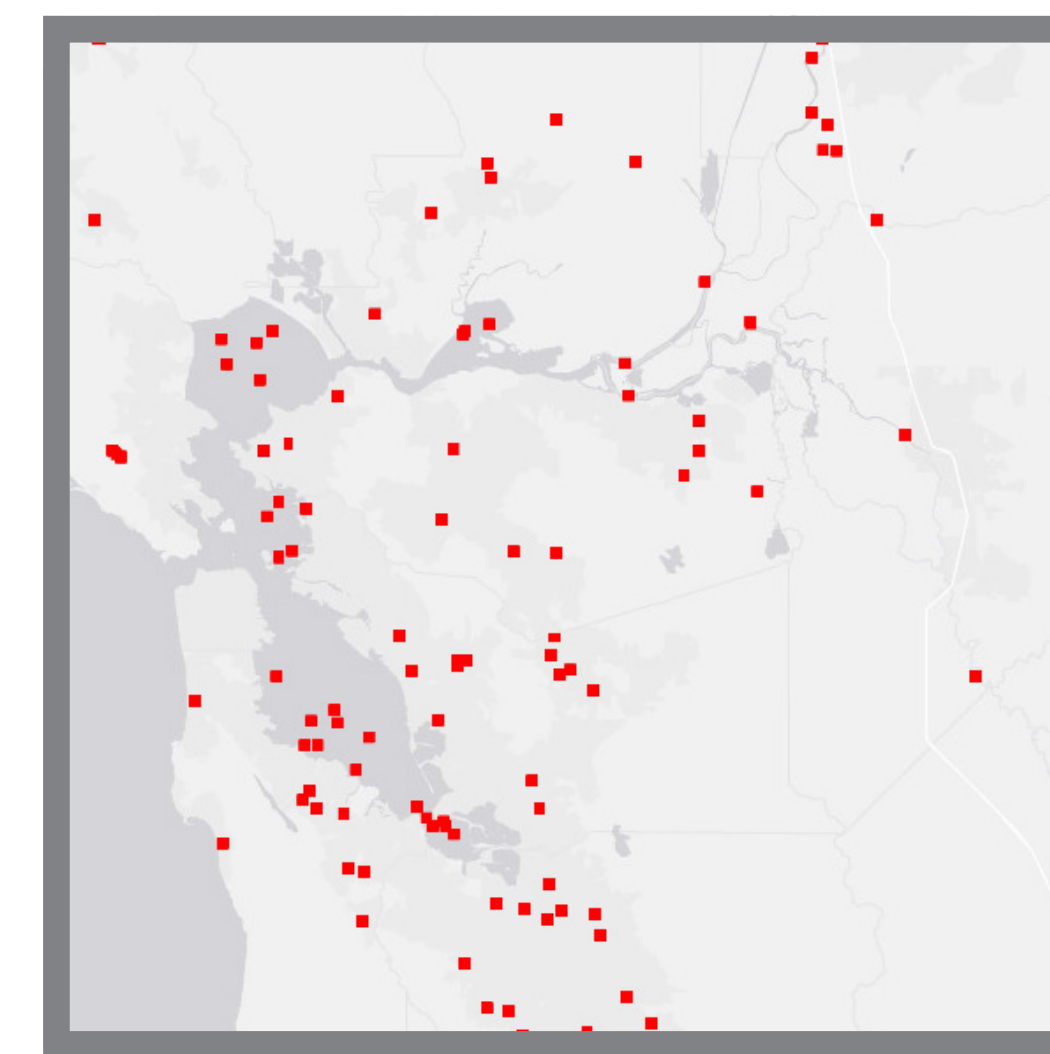
DEDUCE

ESTUARY-WIDE DATA REPOSITORY

for Delta Environmental Data to Understand a California Estuary

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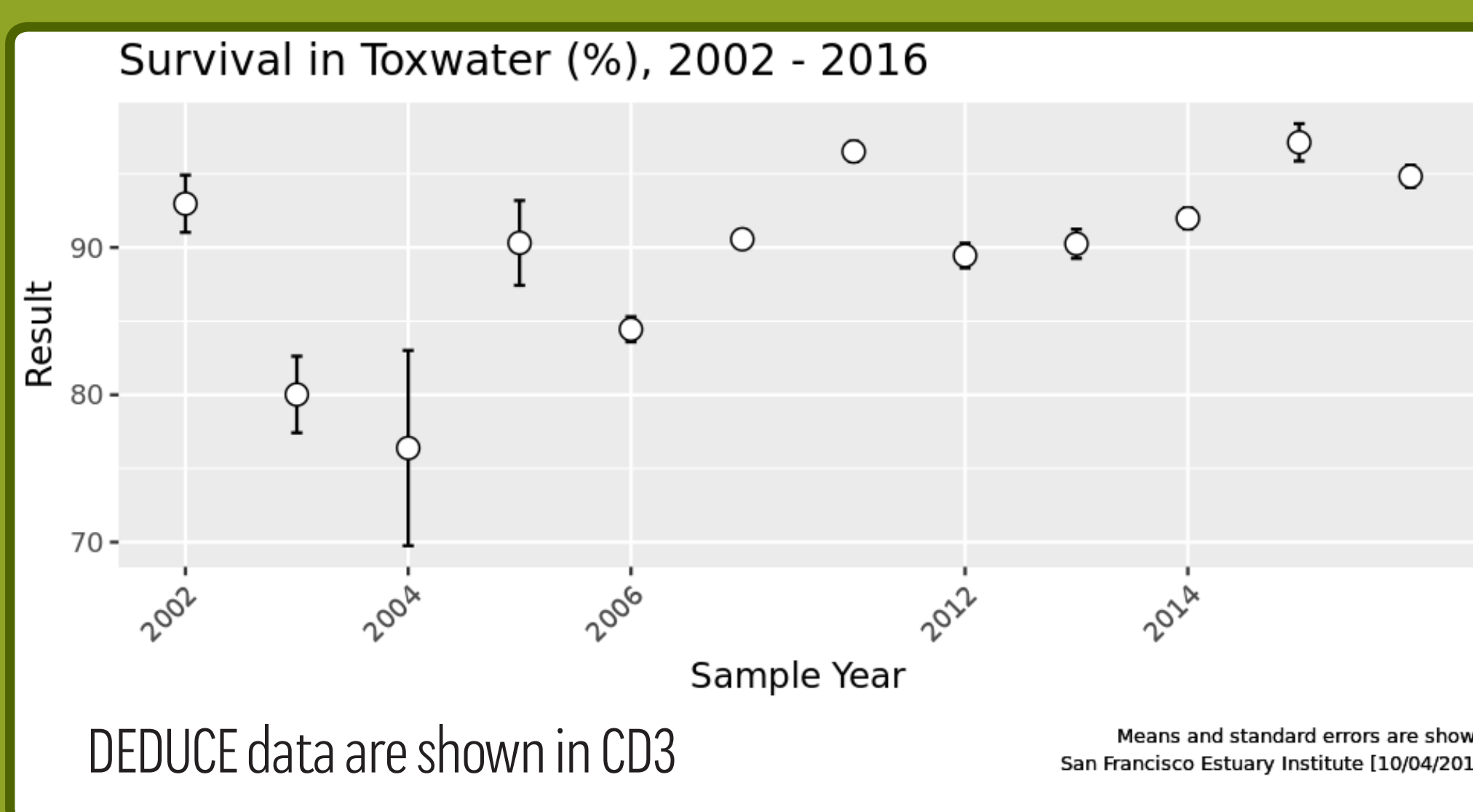
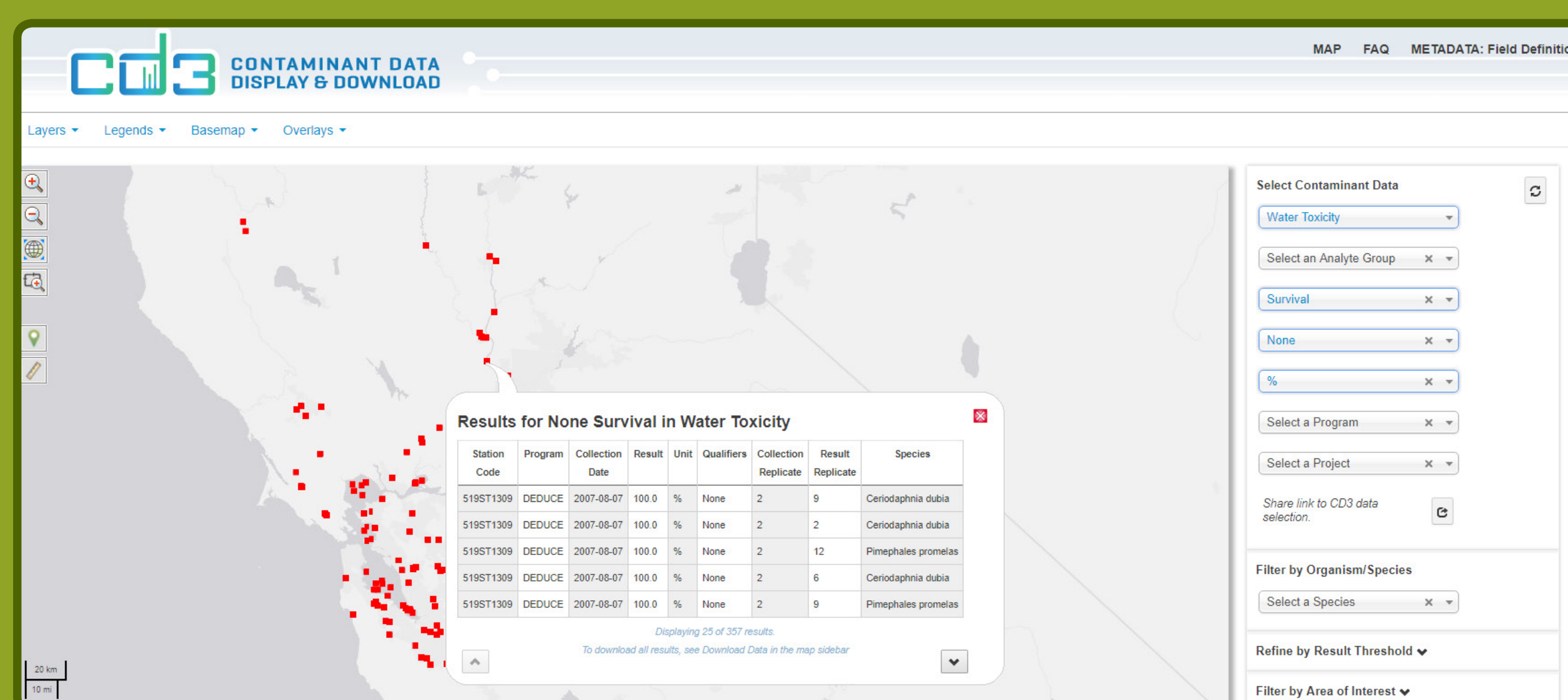
The Sacramento-San Joaquin Delta (Delta) has some of the most pressing water supply and natural resource management issues facing California. The Delta Environmental Data for the Understanding a California Estuary (DEDUCE), a collaborative project building upon the 2014 Environmental Data Summit vision, initiated a forum to integrate disparate data from multiple sources along with legacy data not uploaded to any of the State's data-sharing systems.

DEDUCE collected legacy toxic contaminant data from the Delta according to rigorous business rules, uploaded the data to the expanded estuary-wide data repository, and established design standards to exchange datasets with the California Environmental Data Exchange Network (CEDEN), a contributor to the US Environmental Protection Agency's Water Quality Exchange (WQX). This data integration effort liberated accurate, accessible, and synthesized data for scientists and decision-makers as a foundation to inform management actions with the best available science.

WHY WAS DEDUCE NEEDED?

WHAT DID DEDUCE DELIVER?

- Provided accurate, accessible, and synthesized data for scientists and decision-makers as a foundation for comprehensive management actions
- Expanded the existing infrastructure to house water quality data from the Delta to address management questions
- Leveraged established pathways for uploading and displaying data in tools such as the California Monitoring Council's My Water Quality Portals, the Contaminant Data Display and Download Tool (CD3), CEDEN's query tool and EcoAtlas



WHAT DOES DEDUCE DATA LOOK LIKE?

WHAT ARE THE ONGOING BENEFITS OF DEDUCE?

- Provides a central source for Delta water quality data that meets stringent state and EPA standards
- Uploads data to CEDEN and WQX
- Uses consistent business rules based on the state's Surface Water Ambient Monitoring Program (SWAMP)
- Ensures data remain comparable to state standards
- Represents an effective tool for communicating highly credible and relevant science needed to guide comprehensive policy solutions
- Uses visualization tools to share data from the Delta and accelerates the discovery and communication of new information
- Supports management actions to balance the coequal goals of a more reliable water supply and protecting the Delta ecosystem

Generate charts and filter by area of interest
cd3.sfei.org



Access water quality data across the state
ceden.org



Aggregate multiple data sources at the landscape scale
ecoatlas.org



HOW DOES DEDUCE LINK TO OTHER DATA TOOLS?

NEED MORE INFORMATION?

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